

FIG. 2

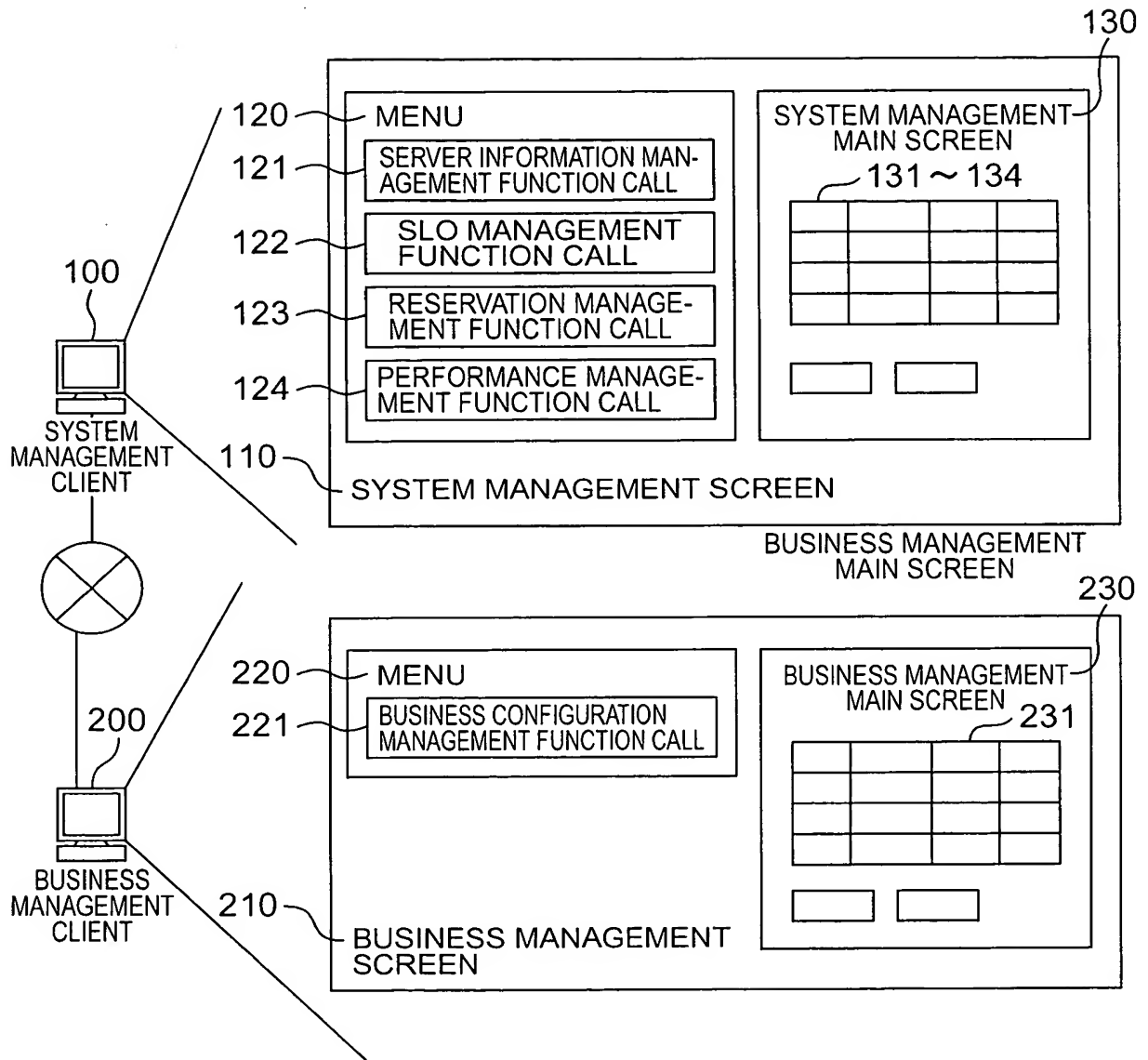


FIG. 3

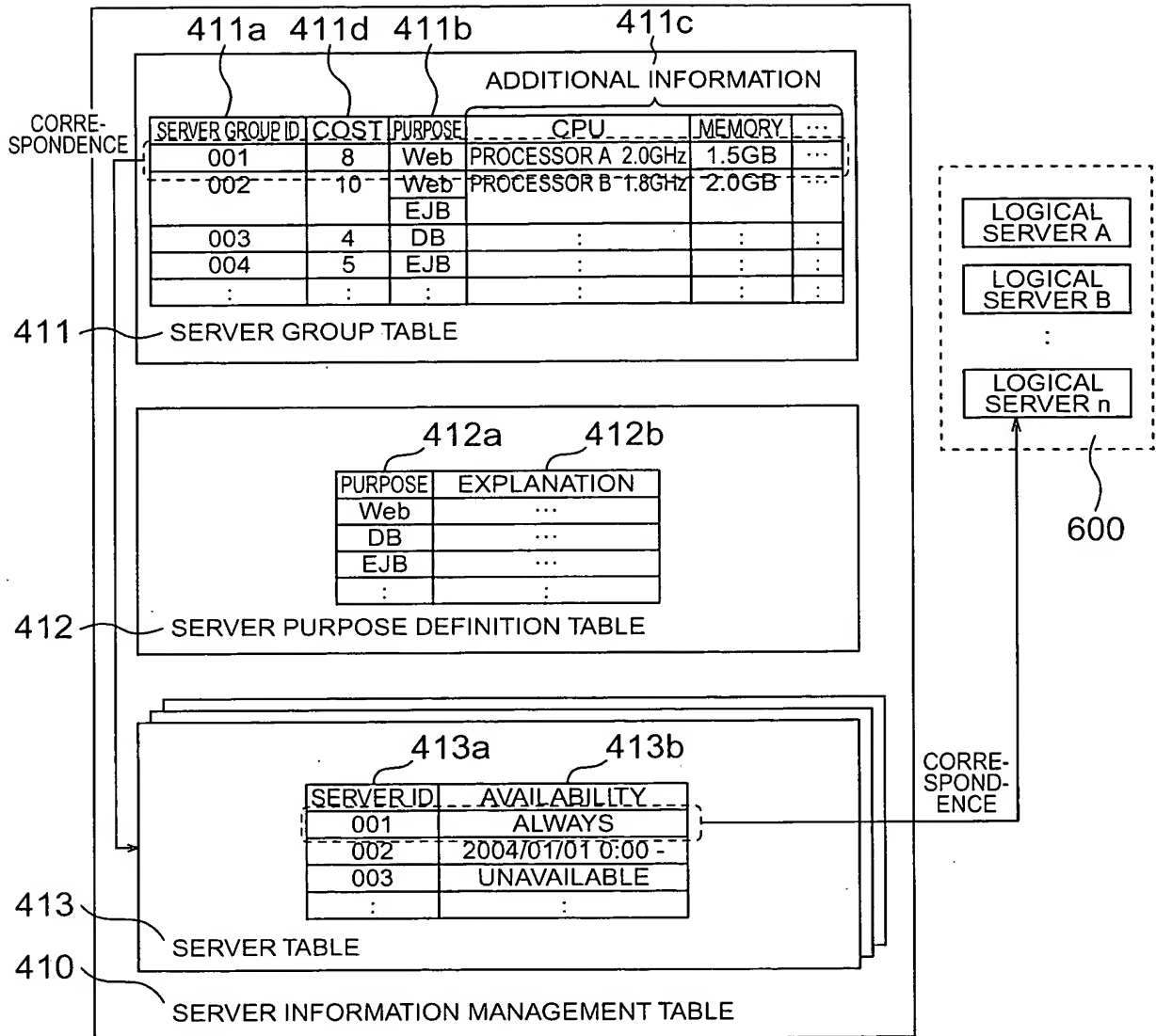


FIG. 4

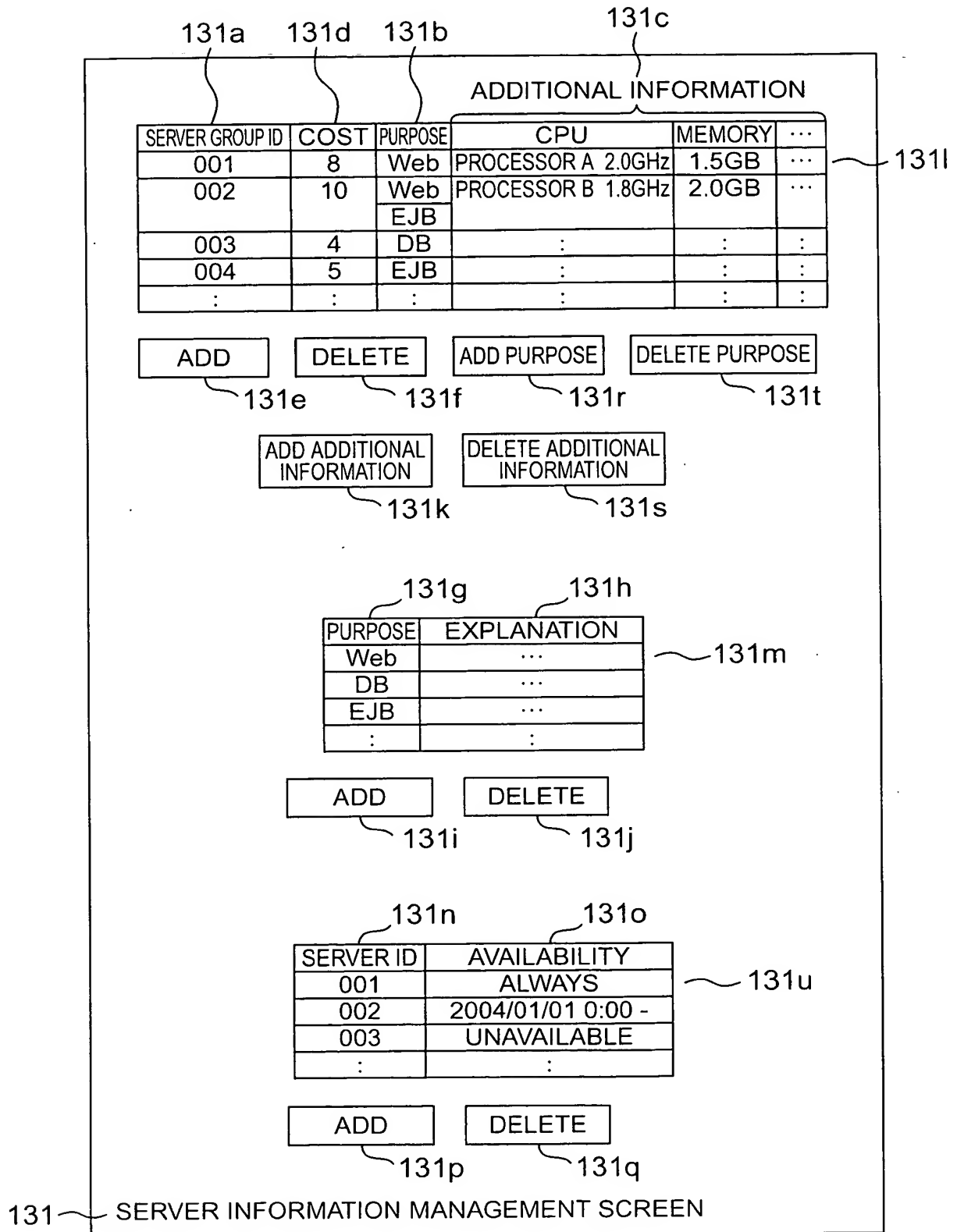


FIG. 5

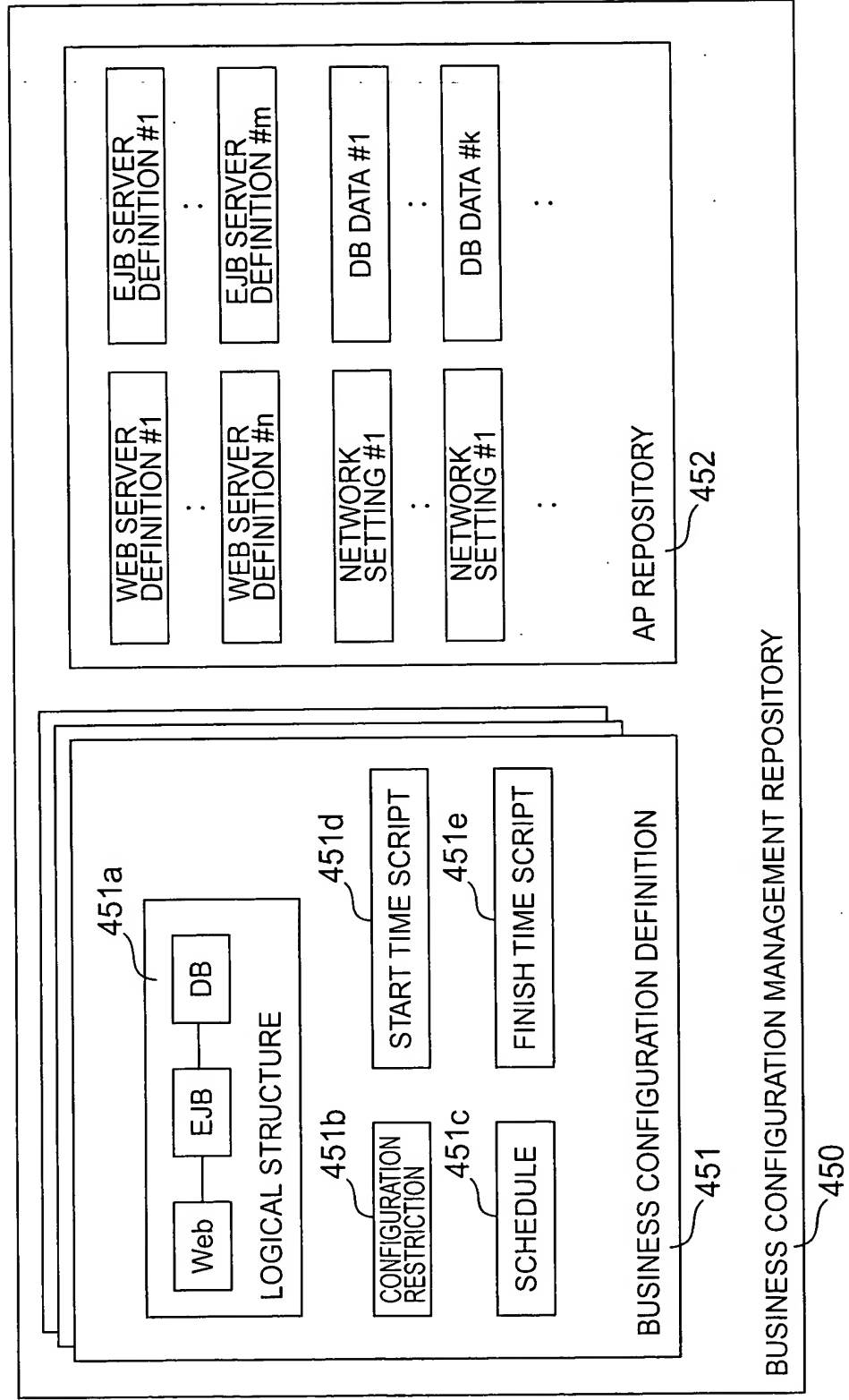


FIG. 6

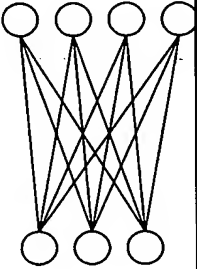
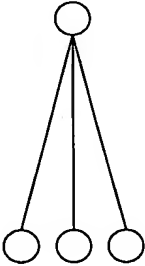
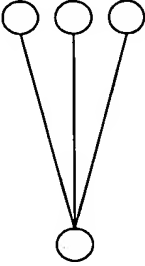
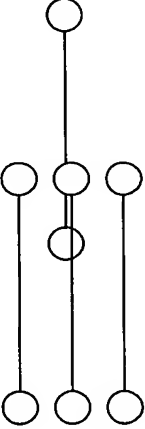
RESTRICTION ON WIRE CONNECTION RELATIONSHIP			RESTRICTION ON WIRE CONNECTION RELATIONSHIP	
			FIXED	NON-FIXED
SCALABILITY OF PARENT NODE	TRUE	TRUE		
	FALSE			
		TRUE		
	FALSE			

FIG. 7

```
<logical_structure>
  <unique_id>0001 </unique_id>
  <node>
    <node_id>n001 </node_id>
    <use>Web</use>
    <scalability>true</scalability>
  </node>
  <node>
    <node_id>n002</node_id>
    <use>EJB</use>
    <scalability>true</scalability>
  </node>
  <node>
    <node_id>n003</node_id>
    <use>DB</use>
    <scalability>false</scalability>
  </node>
  <connection>
    <connection_id>c001</connection_id>
    <parent>n001</parent>
    <child>n002</child>
    <restriction>fix</restriction>
  </connection>
  <connection>
    <connection_id>c002</connection_id>
    <parent>n002</parent>
    <child>n003</child>
  </connection>
</logical_structure>
```

FIG. 8

451

451d				
START TIME SCRIPT				
451d1 451d2		451d3	451d4	451d5
STEP	PROCESS TARGET	PROCESS CONTENTS	OMISSION JUDGMENT FLAG	CORRESPONDING FINISH TIME STEP
S001	Web	EXECUTE "WEB SERVER DEFINITION #1"	WEB SERVER DEFINITION #1 EXECUTION COMPLETION FLAG	T004
S002	DB	EXECUTE "DB DEFINITION #1"	DB DEFINITION #1 EXECUTION COMPLETION FLAG	T003
S003	EJB	INSTALL "EJB CONTAINER #1"	EJB CONTAINER #1 INSTALLATION COMPLETION FLAG	T002
S004	WHOLE	ADJUST LB	—	T001
:	:	:	:	:
451e				
FINISH TIME SCRIPT				
451e1 451e2		451e3	451e4	451e5
STEP	PROCESS TARGET	PROCESS CONTENTS	OMISSION JUDGMENT FLAG	CORRESPONDING START TIME STEP
T001	WHOLE	ADJUST LB	—	S004
T002	EJB	UNINSTALL "EJB CONTAINER #1"	EJB CONTAINER #1 UNINSTALLATION COMPLETION FLAG	S003
T003	DB	DELETE "DB DEFINITION #1"	DB DEFINITION #1 DELETION COMPLETION FLAG	S002
T004	Web	DELETE "WEB SERVER DEFINITION #1"	WEB SERVER DEFINITION #1 DELETION COMPLETION FLAG	S001
:	:	:	:	:

FIG. 9

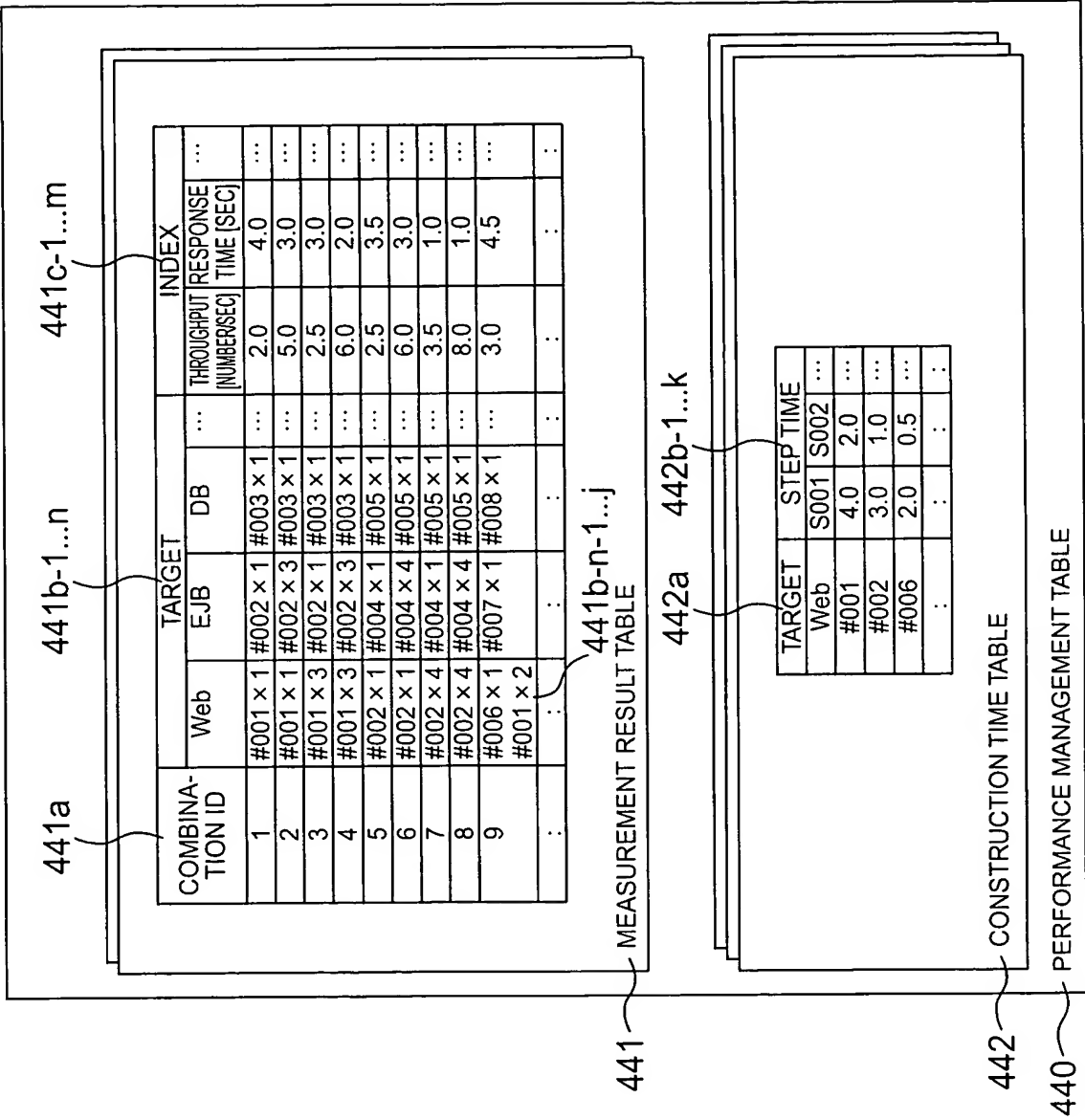
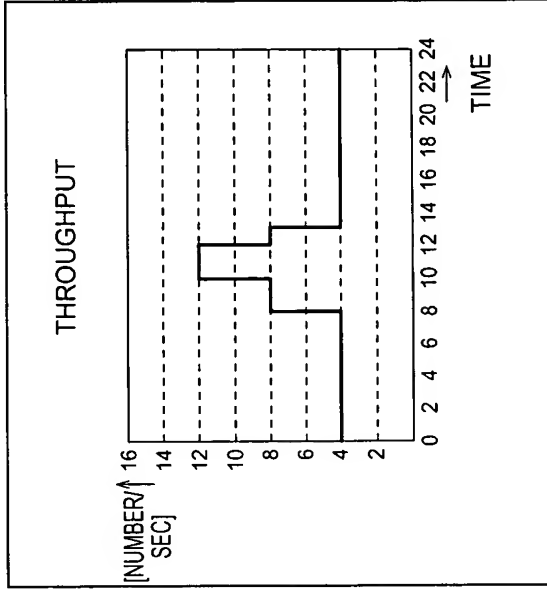
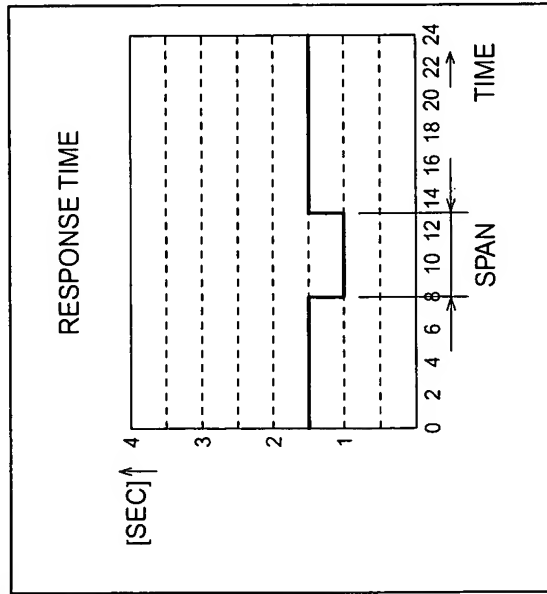


FIG. 10

421-1...0

SLO



420 SLO MANAGEMENT TABLE

FIG. 11

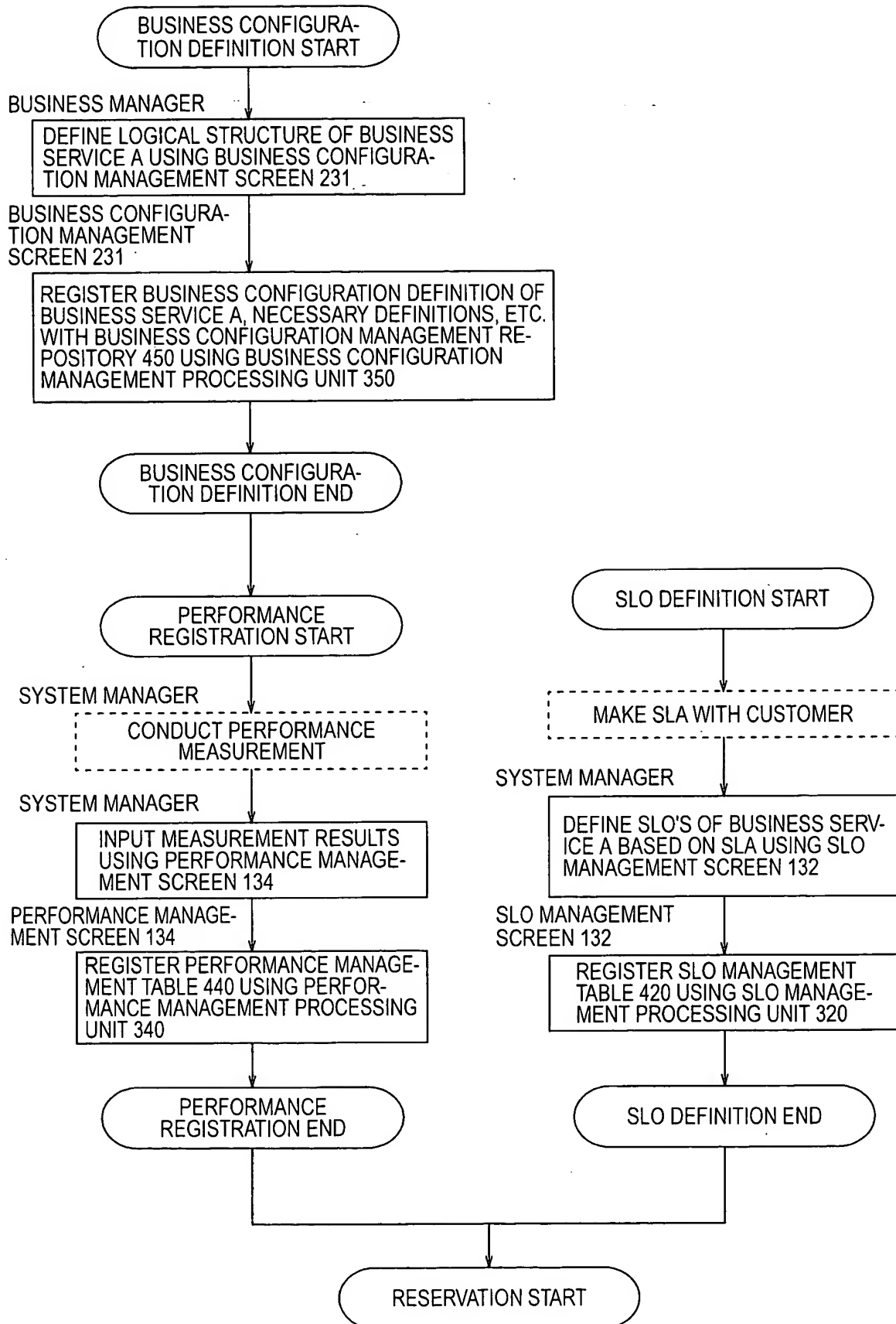


FIG. 12

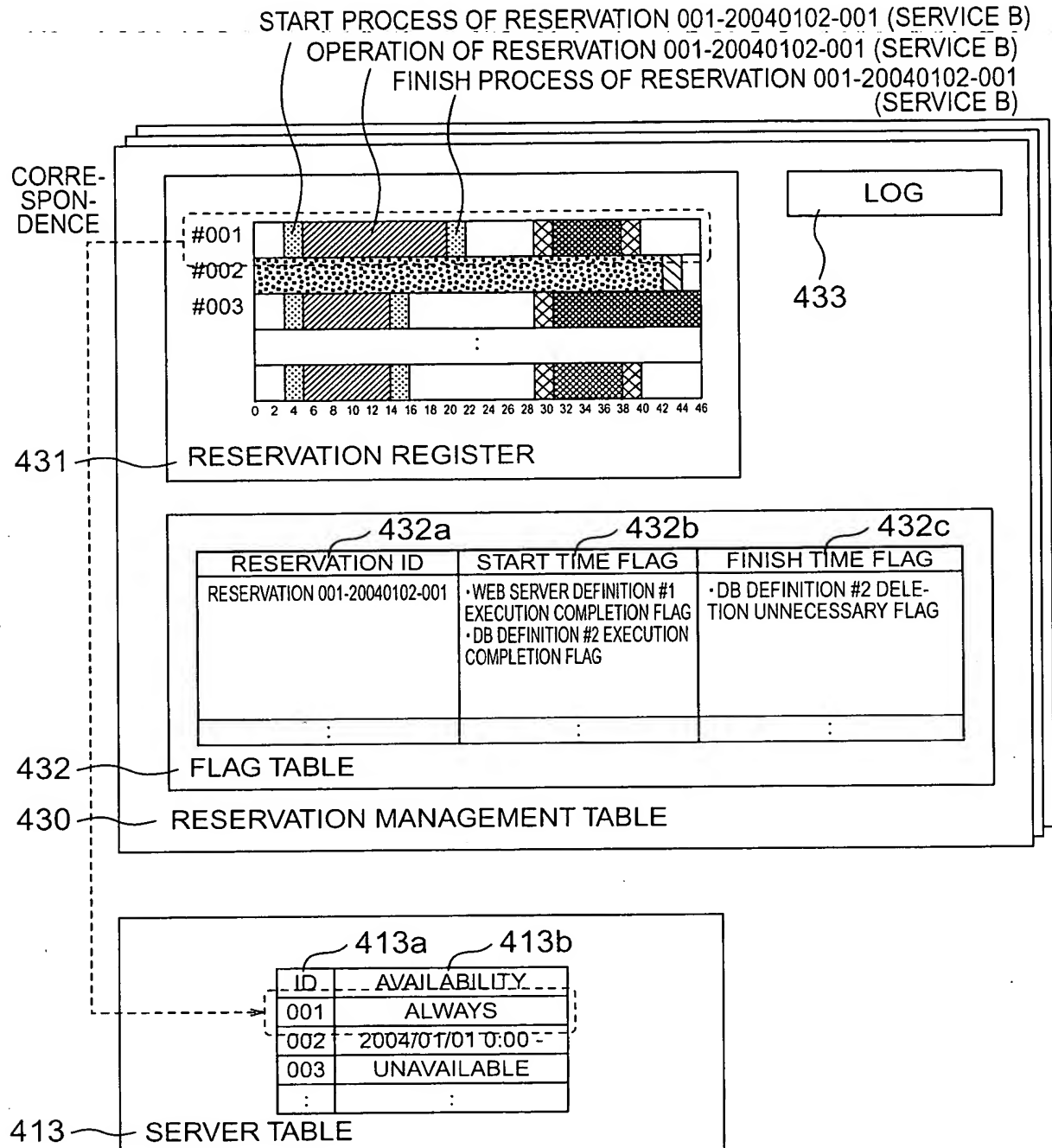


FIG. 13

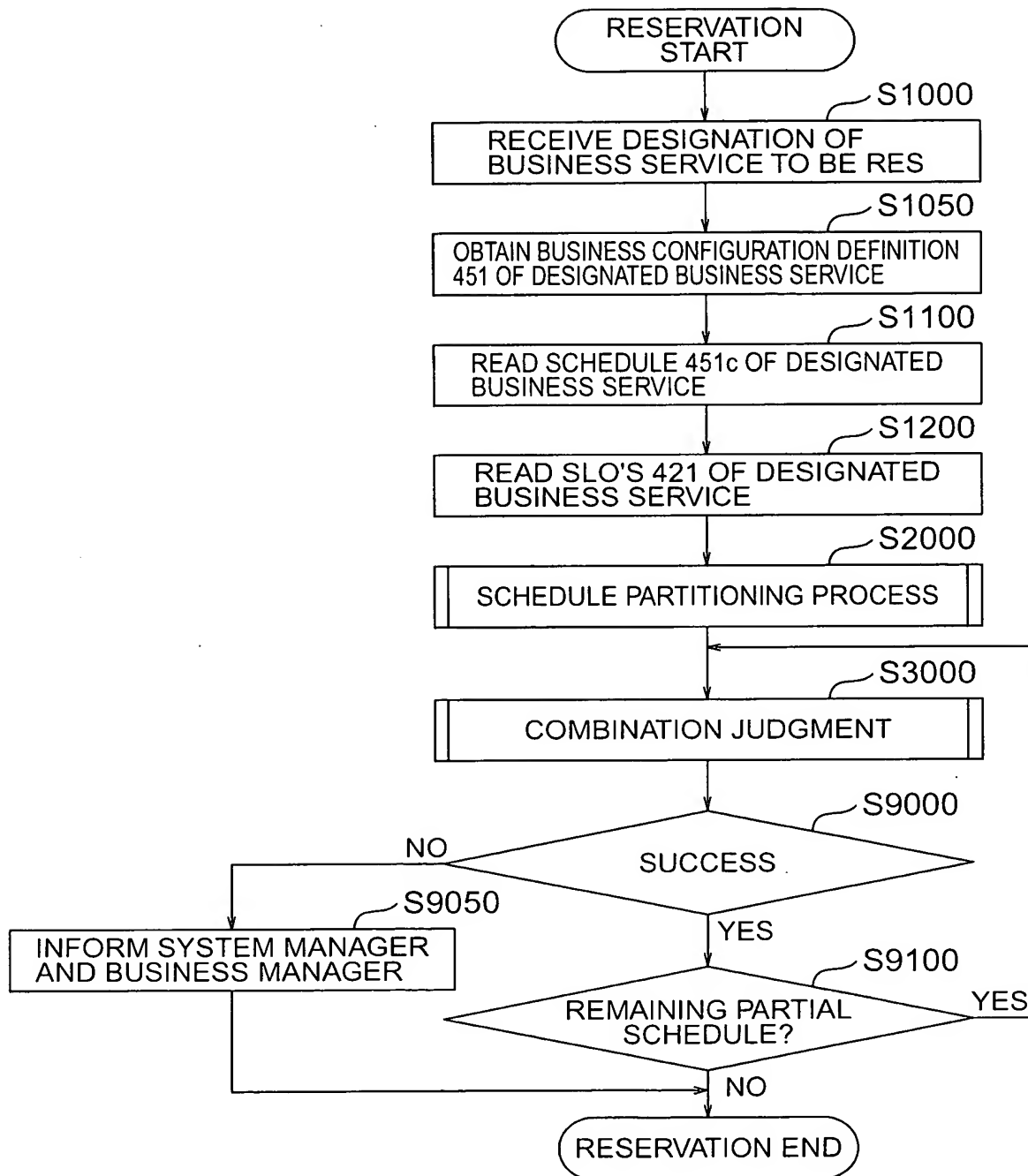


FIG. 14

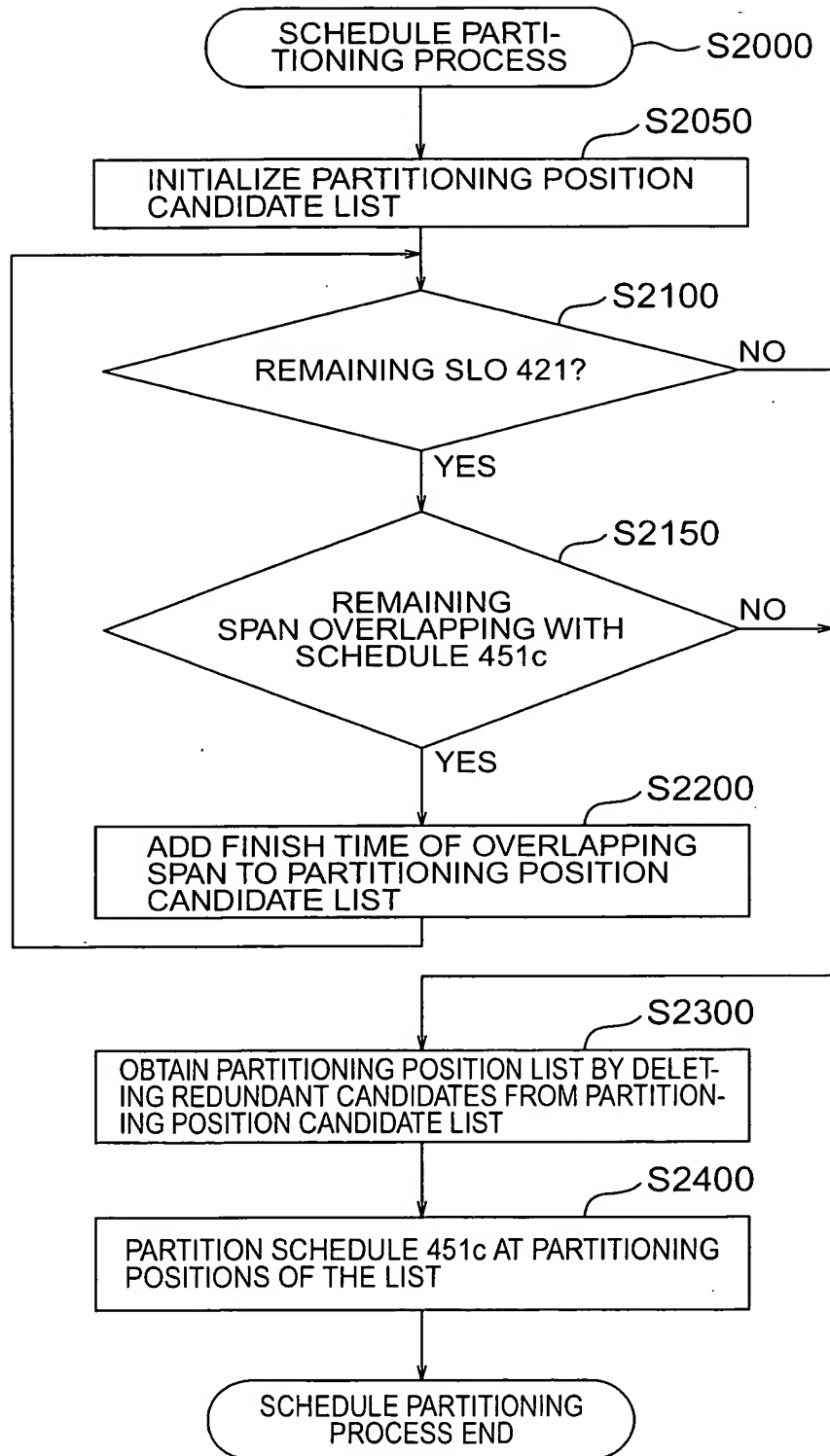
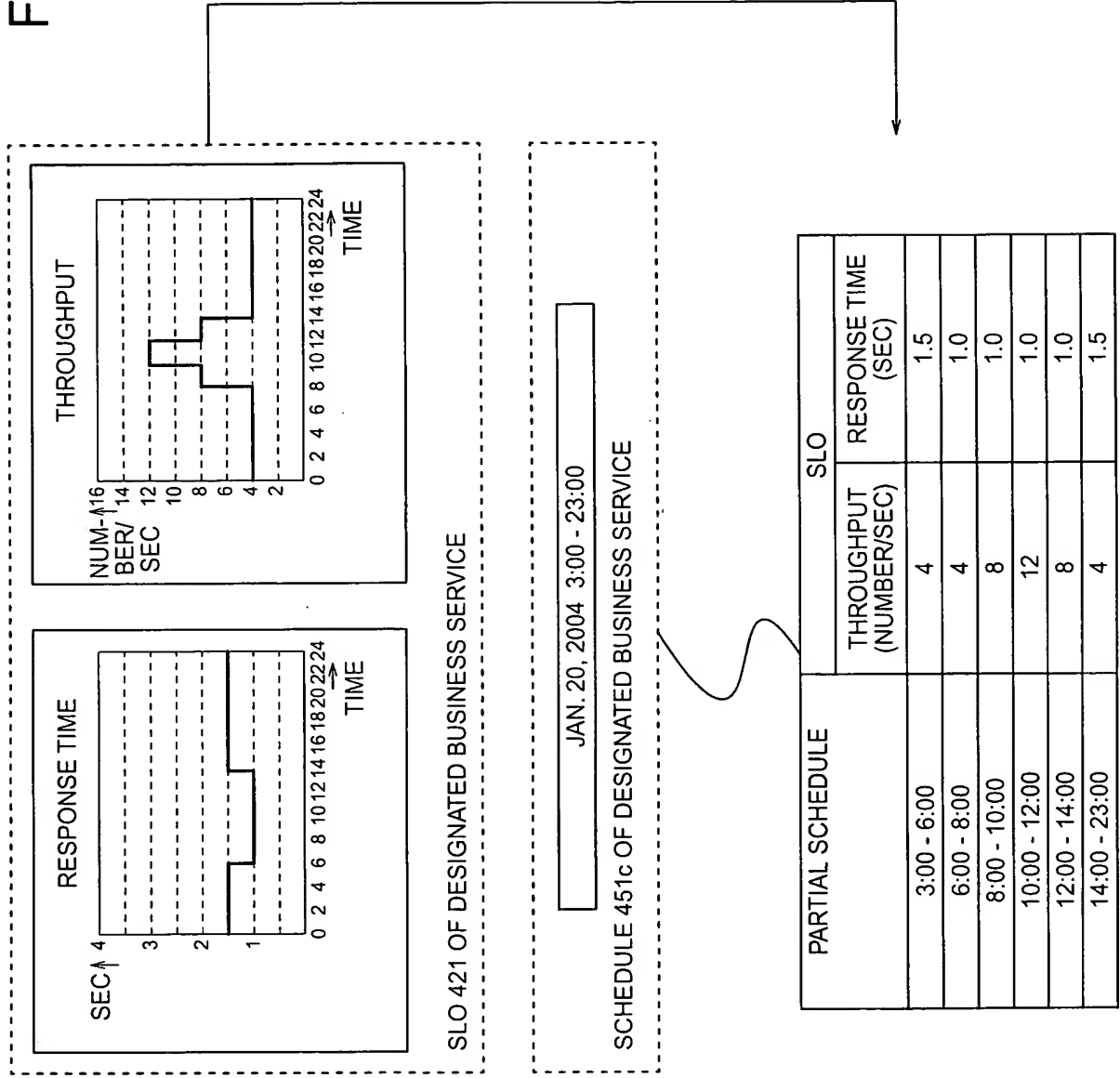


FIG. 15



PARTIAL SCHEDULE	SLO	
	THROUGHPUT (NUMBER/SEC)	RESPONSE TIME (SEC)
3:00 - 6:00	4	1.5
6:00 - 8:00	4	1.0
8:00 - 10:00	8	1.0
10:00 - 12:00	12	1.0
12:00 - 14:00	8	1.0
14:00 - 23:00	4	1.5

FIG. 16

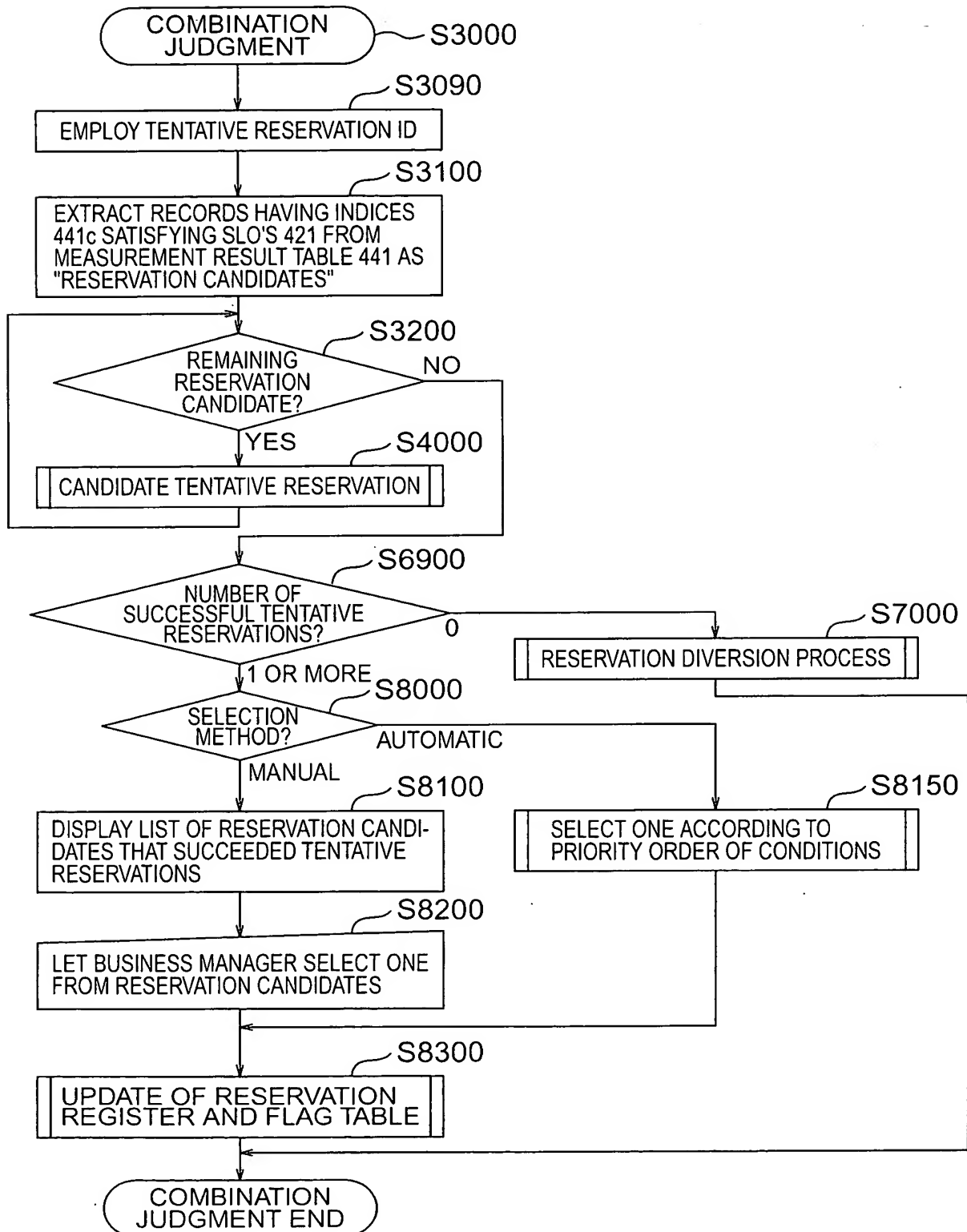


FIG. 17

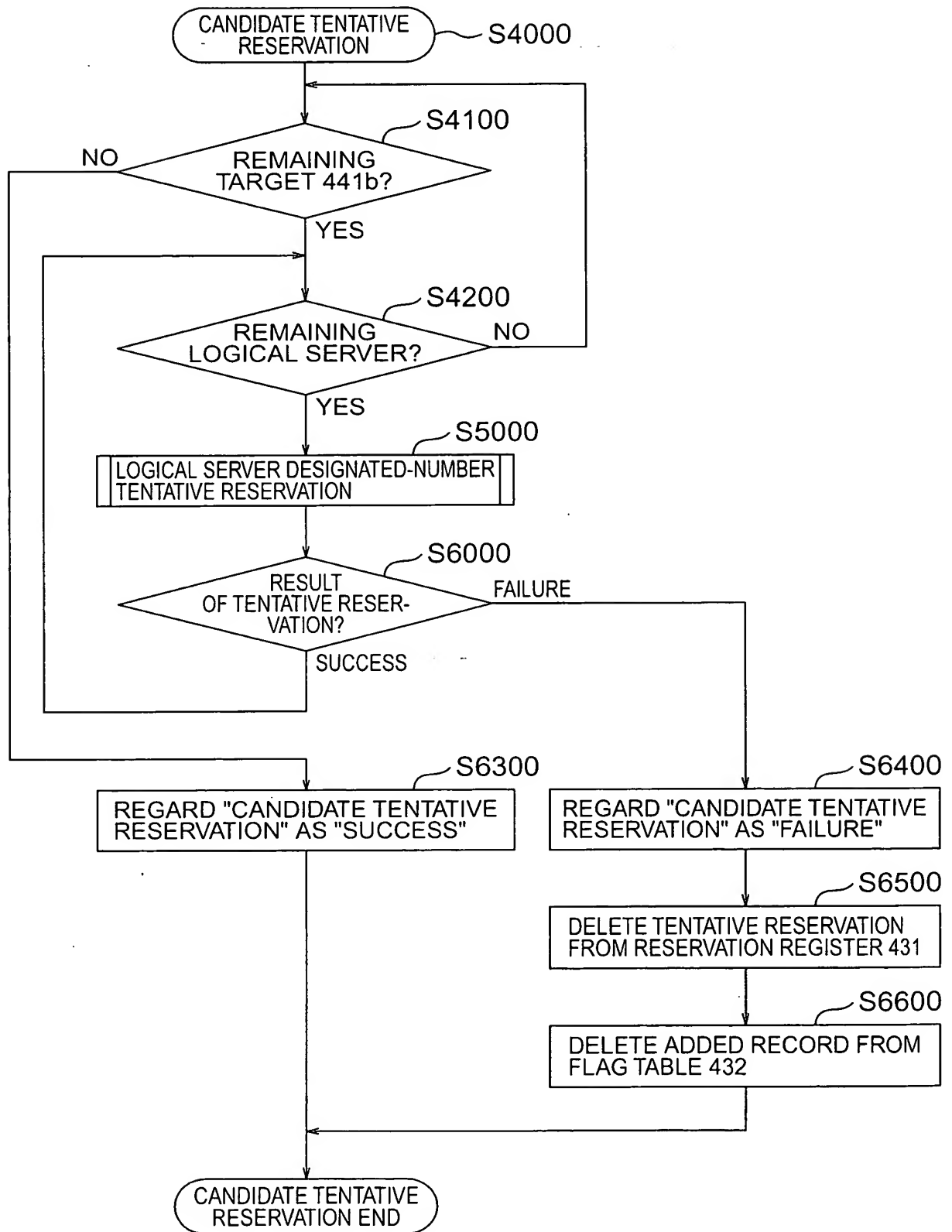


FIG. 18

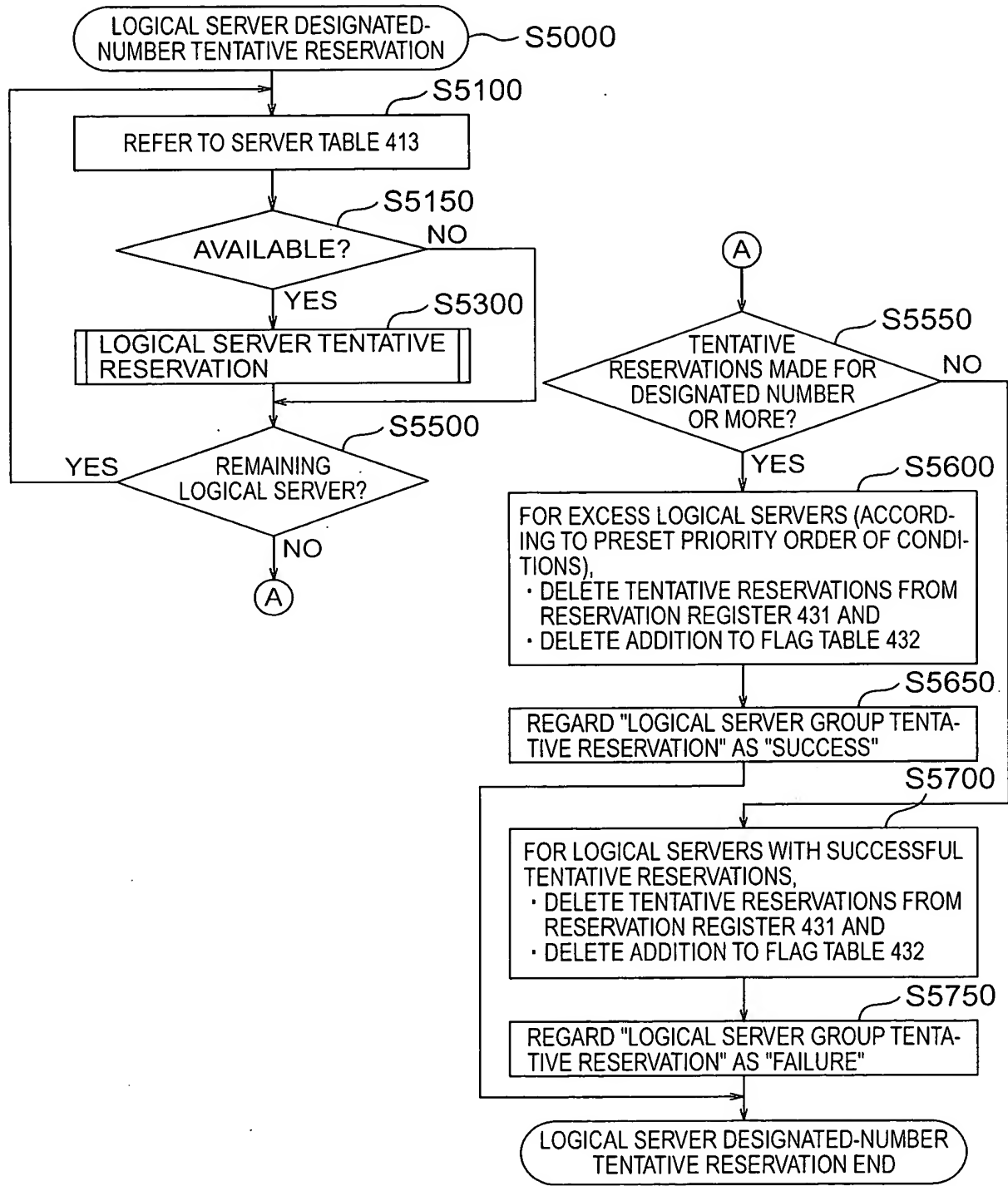


FIG. 19

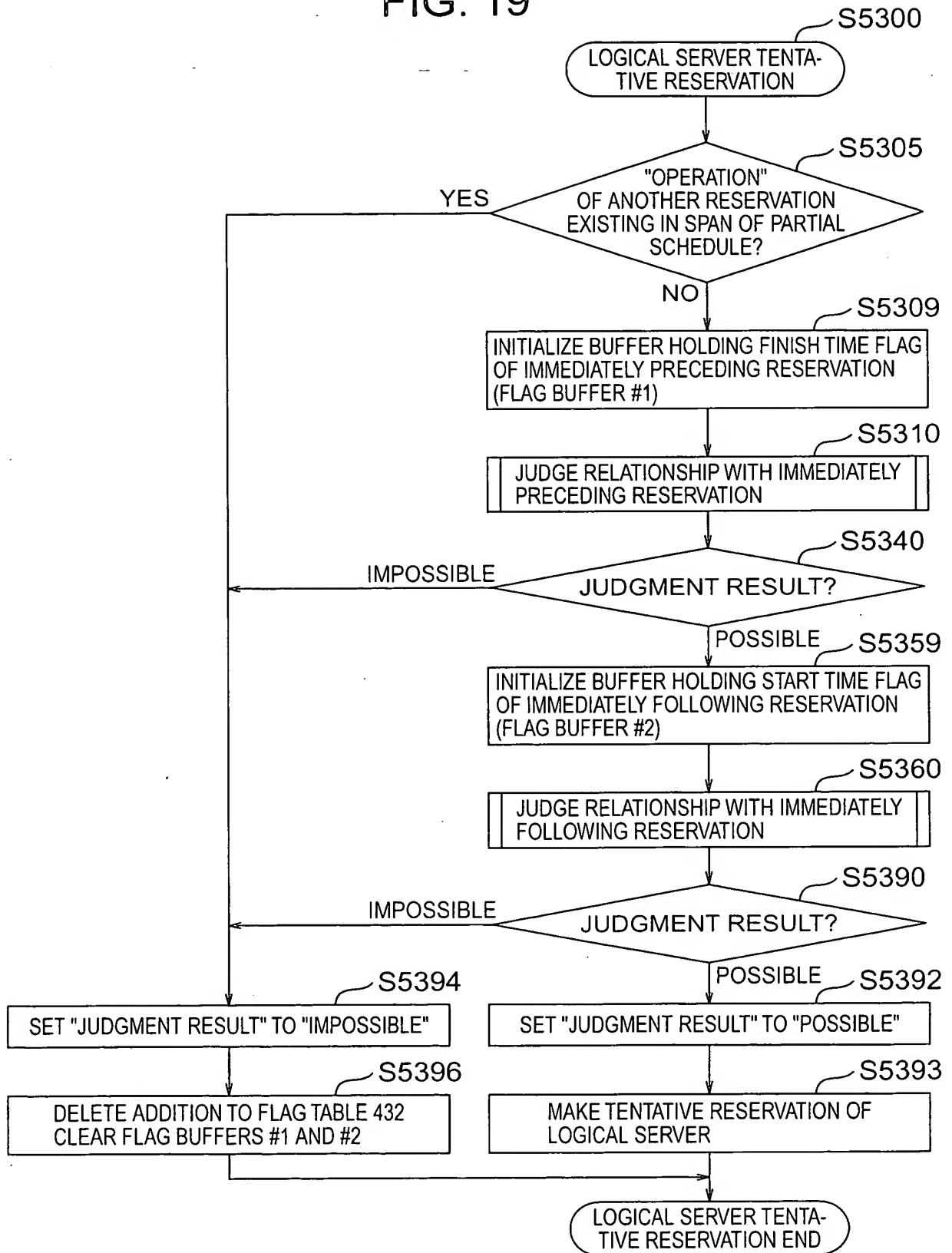


FIG. 20A

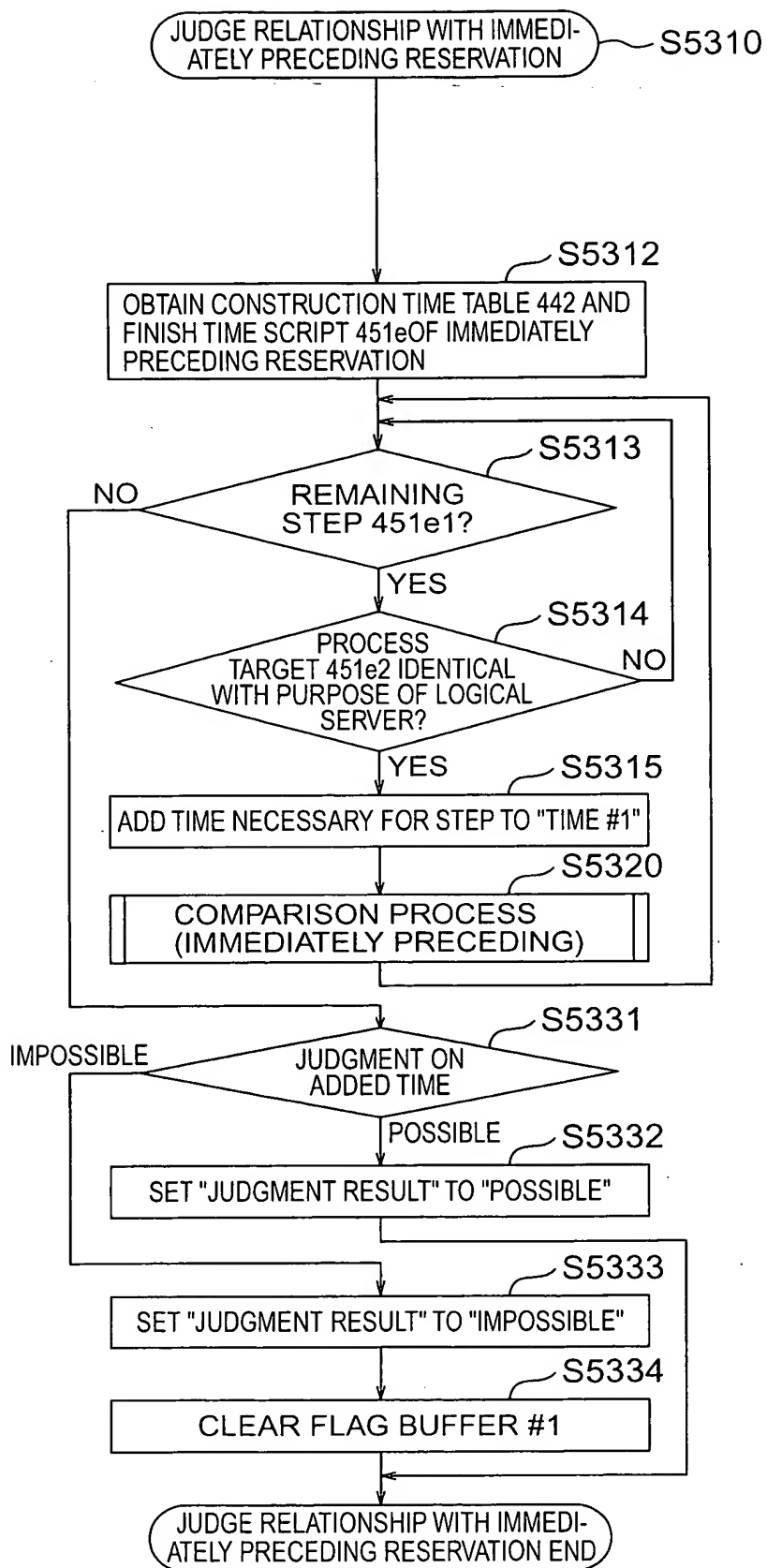


FIG. 20B

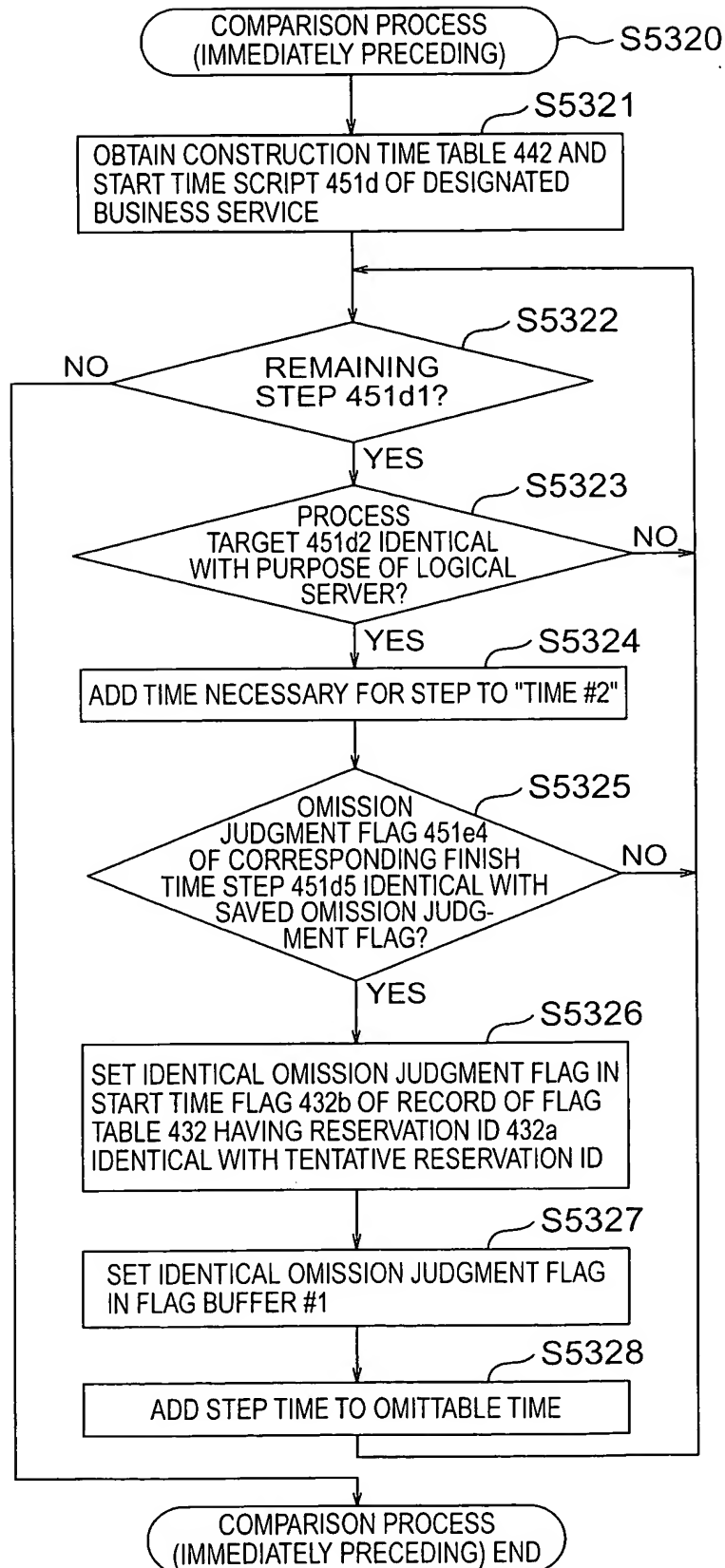


FIG. 21A

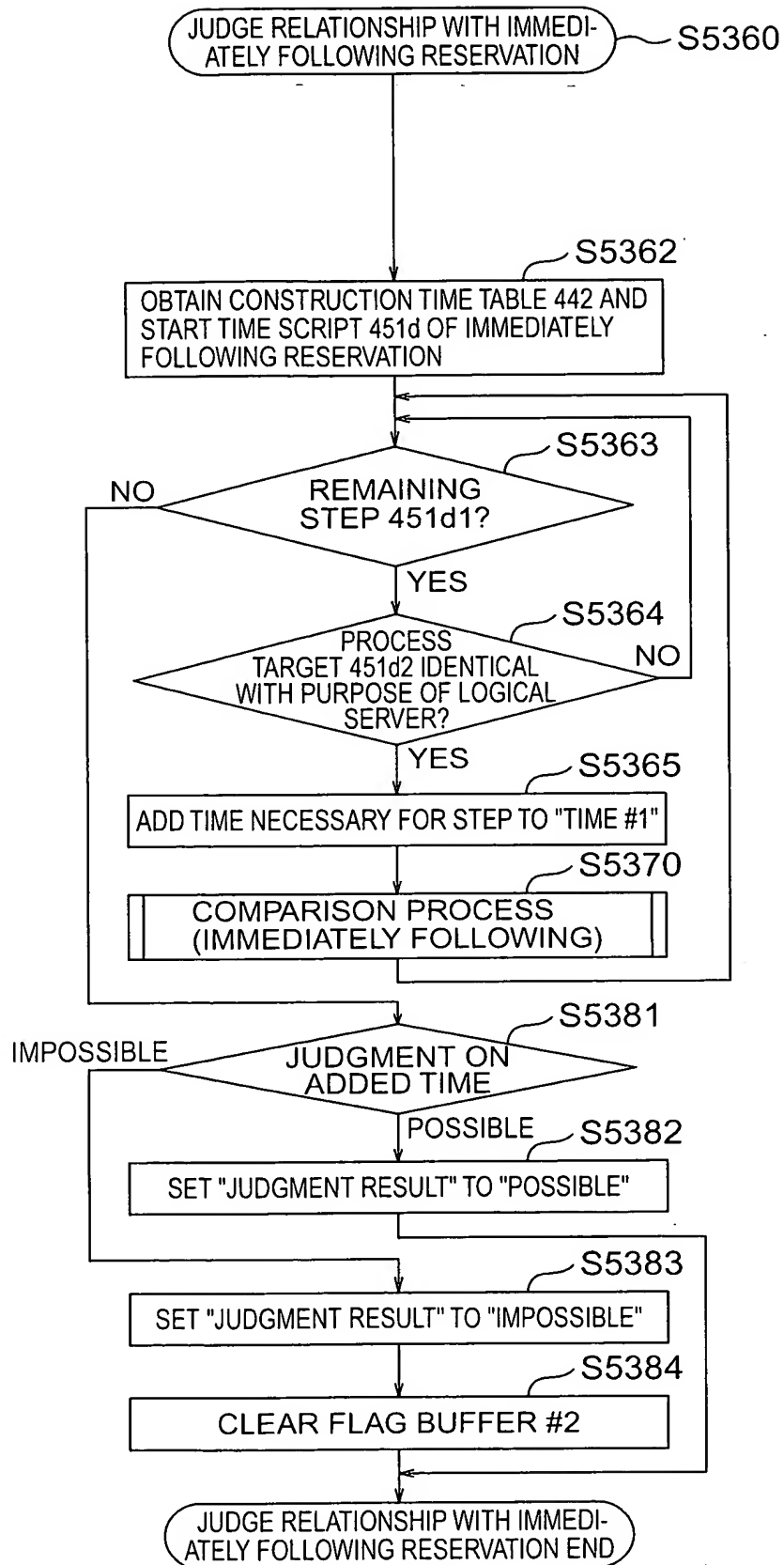


FIG. 21B

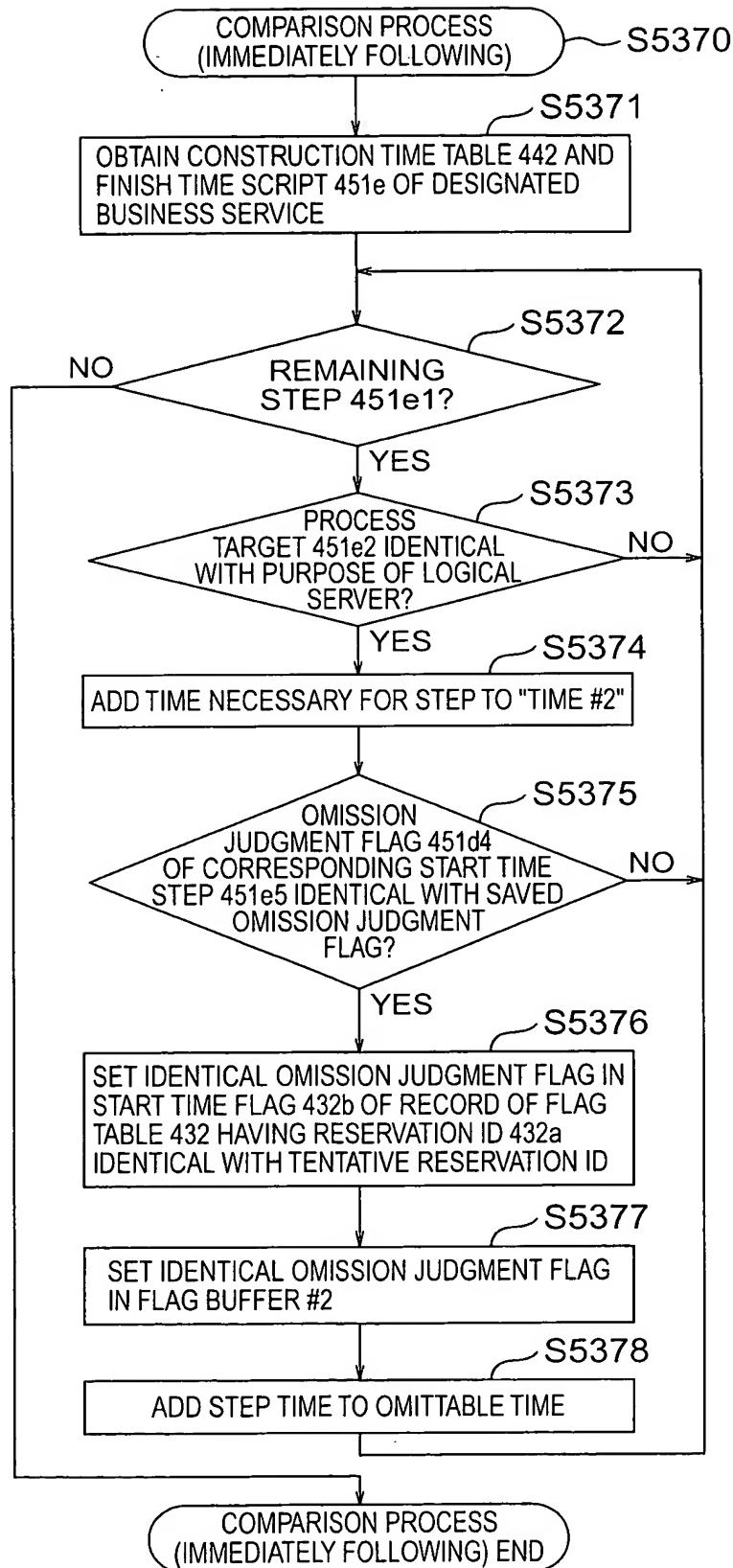


FIG. 22

451

START TIME SCRIPT

451d6

STEP	PROCESS TARGET	PROCESS CONTENTS	OMISSION JUDGMENT FLAG	CORRESPONDING FINISH TIME STEP
S001	Web	INSTALL HTTP SERVER SOFTWARE #1	HTTP SERVER SOFTWARE #1 INSTALLATION COMPLETION FLAG	T022
S002	Web	SET VIRTUAL DIRECTORY BASED ON VIRTUAL DIRECTORY SETTING #1	VIRTUAL DIRECTORY SETTING #1 COMPLETION FLAG	T021
S003	Web	SET TCP PORT BASED ON TCP PORT SETTING #1	TCP PORT SETTING #1 COMPLETION FLAG	T020
:	:	:	:	:

FINISH TIME SCRIPT

451e6

STEP	PROCESS TARGET	PROCESS CONTENTS	OMISSION JUDGMENT FLAG	FINISH PROCESS OMISSION 451e6	CORRESPONDING START TIME STEP
T001	DB	INITIALIZE TABLE	INITIAL VALUE #1 FLAG	STEP NOT OMITTED: T002	S022
T002	DB	DELETE TABLE AND INDEX OF SCHEMA #1	SCHEMA #1 DELETION FLAG	UNCONDITIONAL	S021
T003	DB	UNINSTALL DBMS SOFTWARE #1	DBMS SOFTWARE #1 UNINSTALLATION COMPLETION FLAG	NO FLAG: DBMS SOFTWARE*IN-STALLATION FLAG	S020
:	:	:	:	:	:

FIG. 23

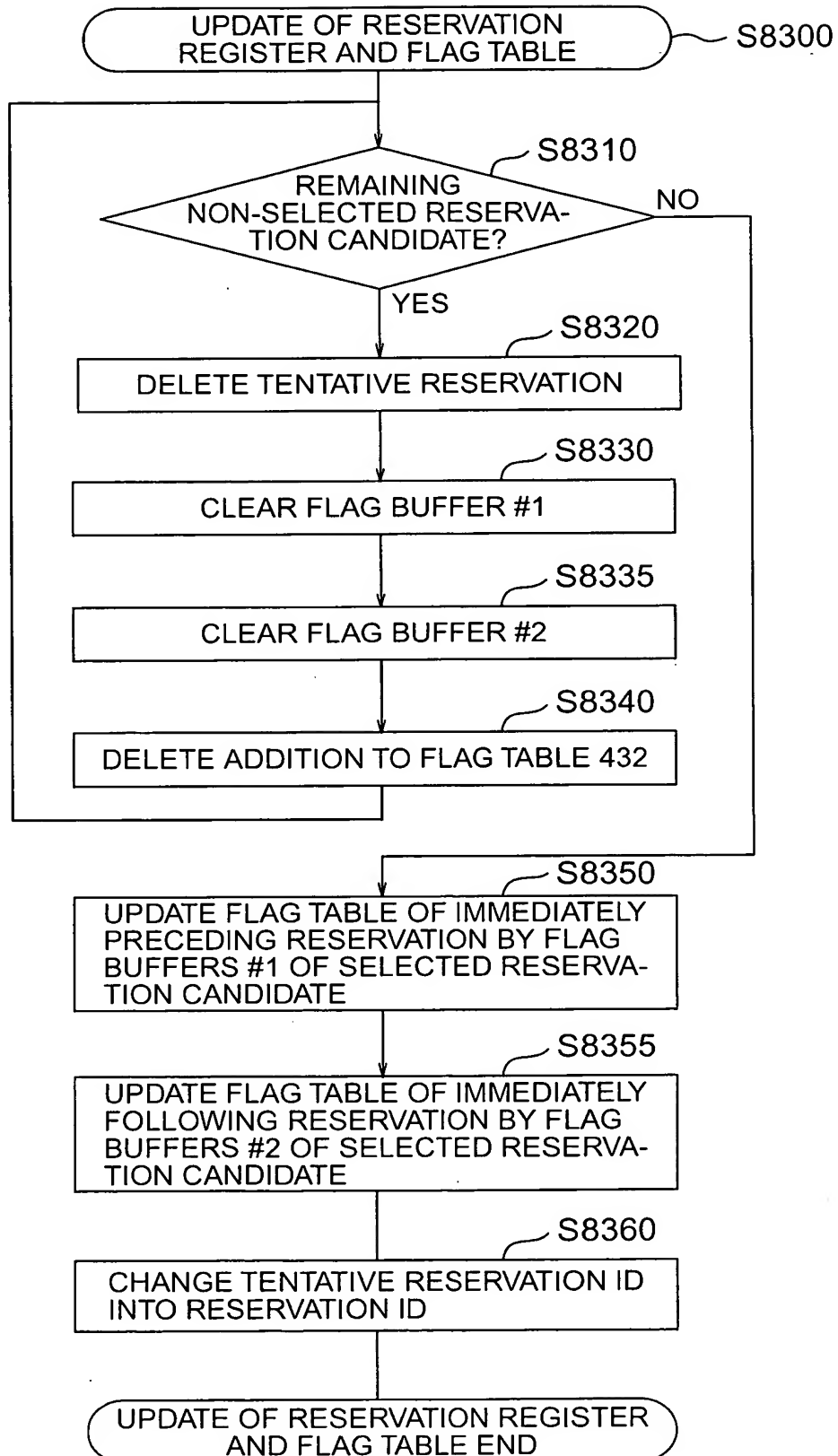


FIG. 24

		133a			
		RESERVATION CANDIDATE			
		1	2	3	...
133b	INDEX 133b	1			
		2			
		3			
		:			
		m			
133c	RELATIONSHIP WITH IMMEDIATELY PRECEDING RESERVATION 133c	SUM OF TIME BETWEEN FINISH TIME OF IMMEDIATELY PRECEDING RESERVATION AND START TIME OF RESERVATION REQUEST TIME			
		RATIO OF LOGICAL SERVERS CAPABLE OF OMITTING START PROCESS (TO TOTAL NUMBER)			
		RATIO OF LOGICAL SERVERS CAPABLE OF TOTALLY OMITTING FINISH PROCESS OF IMMEDIATELY PRECEDING RESERVATION AND START PROCESS OF THE TENTATIVE RESERVATION (TO TOTAL NUMBER)			
133d	RELATIONSHIP WITH IMMEDIATELY FOLLOWING RESERVATION 133d	SUM OF TIME BETWEEN FINISH TIME OF RESERVATION REQUEST TIME AND START TIME OF IMMEDIATELY FOLLOWING RESERVATION			
		RATIO OF LOGICAL SERVERS CAPABLE OF OMITTING FINISH PROCESS (TO TOTAL NUMBER)			
		RATIO OF LOGICAL SERVERS CAPABLE OF TOTALLY OMITTING START PROCESS OF IMMEDIATELY FOLLOWING RESERVATION AND FINISH PROCESS OF THE TENTATIVE RESERVATION (TO TOTAL NUMBER)			
133f	RELATIONSHIP WITH PRECEDING/FOLLOWING RESERVATIONS 133f	AVERAGE OF 133C1 AND 133d1			
		AVERAGE OF 133C2 AND 133d2			
		AVERAGE OF 133C3 AND 133d3			
133g		TOTAL COST 133g			
		PURPOSE COINCIDENCE RATIO 133e			
		133			
		PURPOSE COINCIDENCE RATIO 133e			
		SORT BUTTON			

FIG. 25

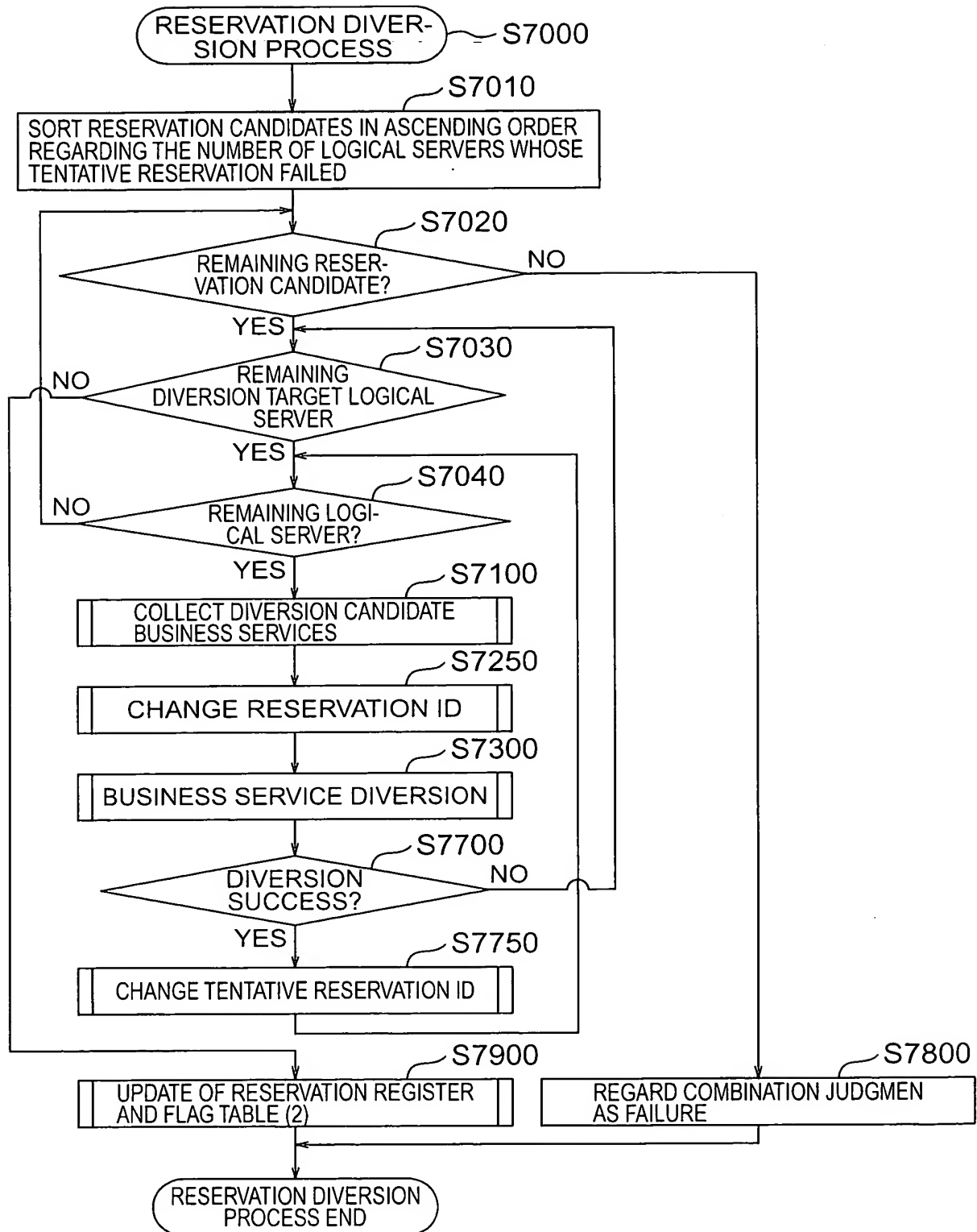


FIG. 26

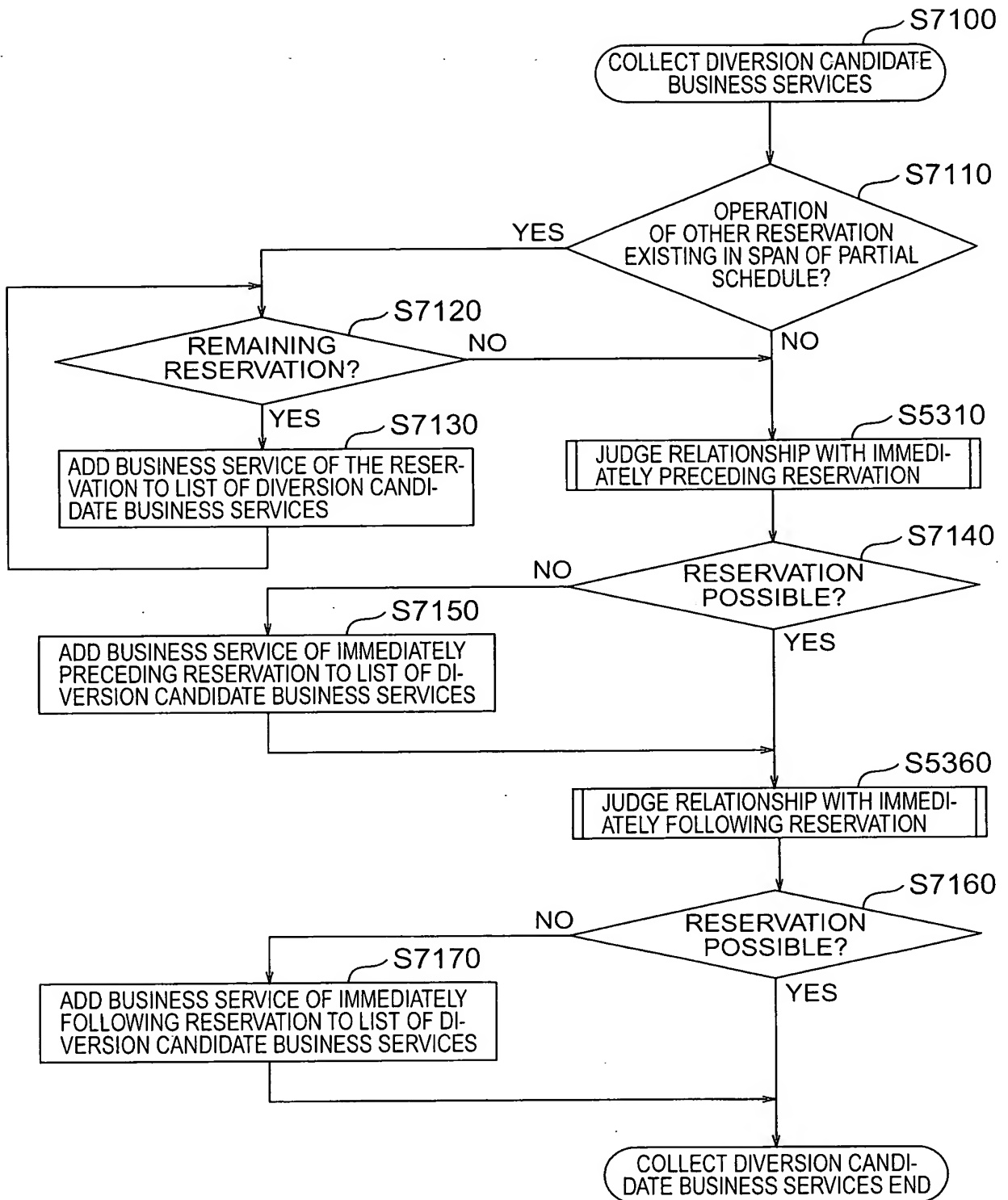


FIG. 27

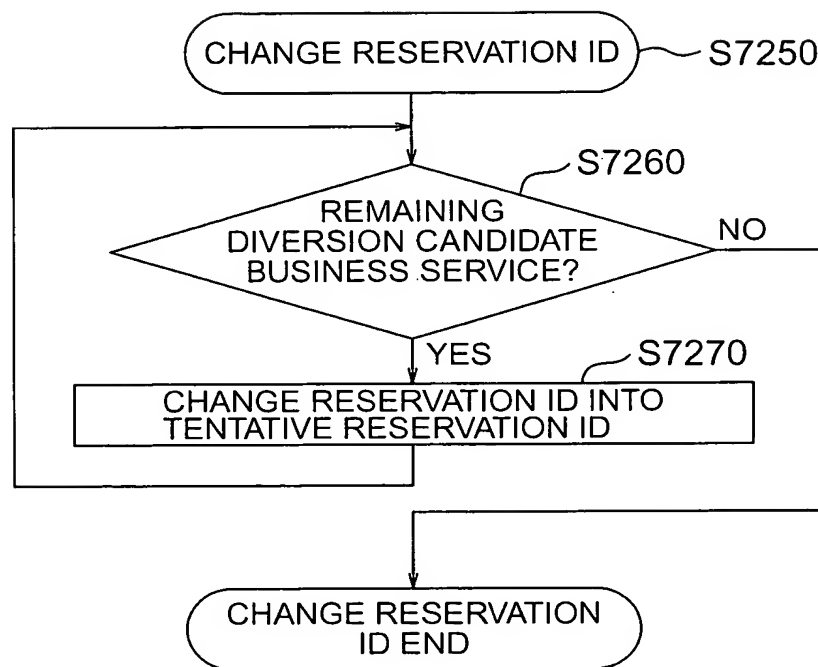


FIG. 28

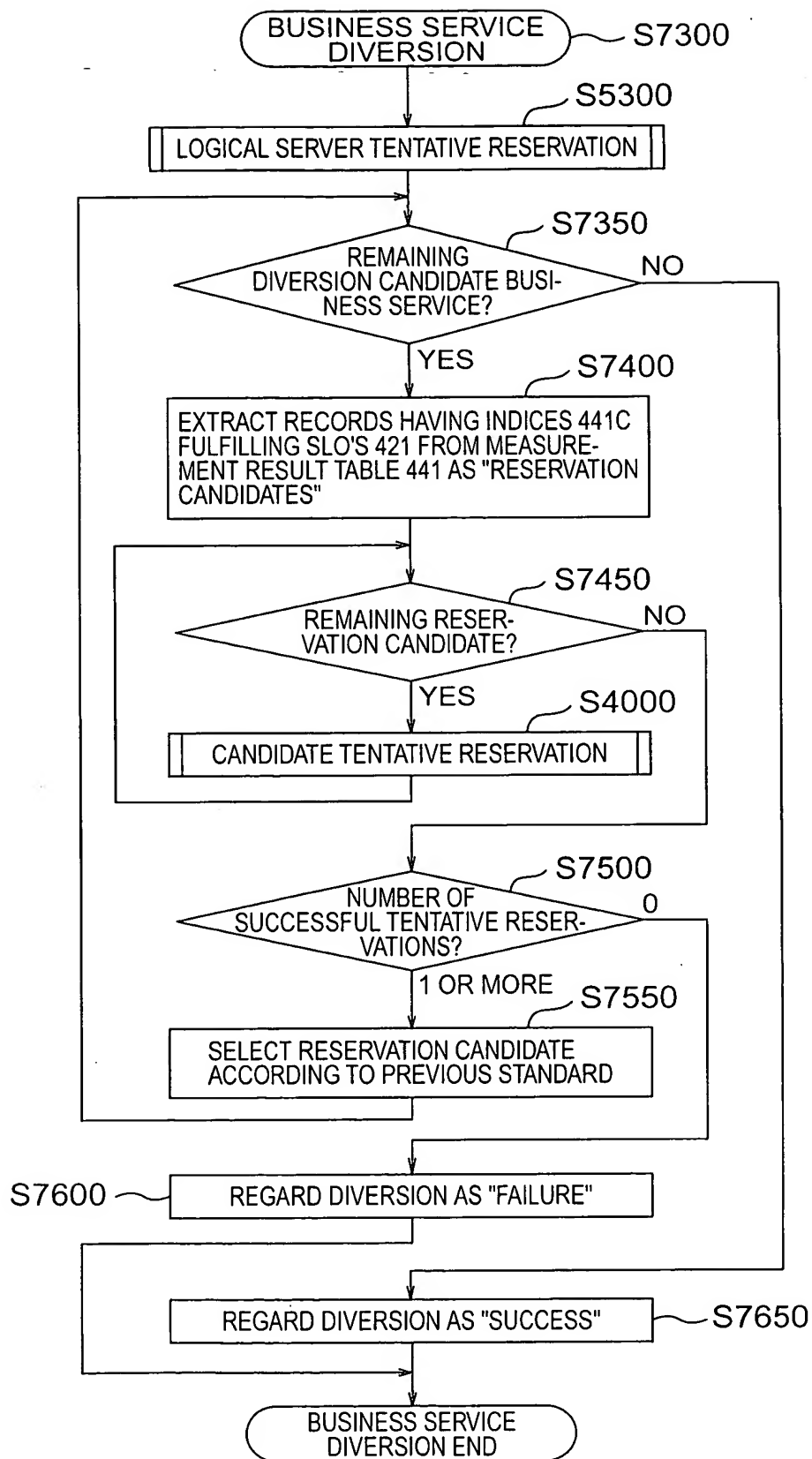


FIG. 29

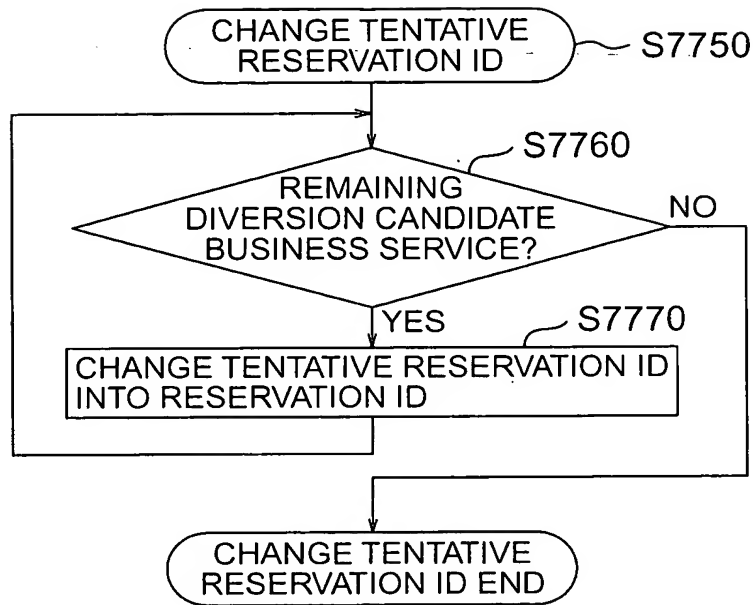


FIG. 30

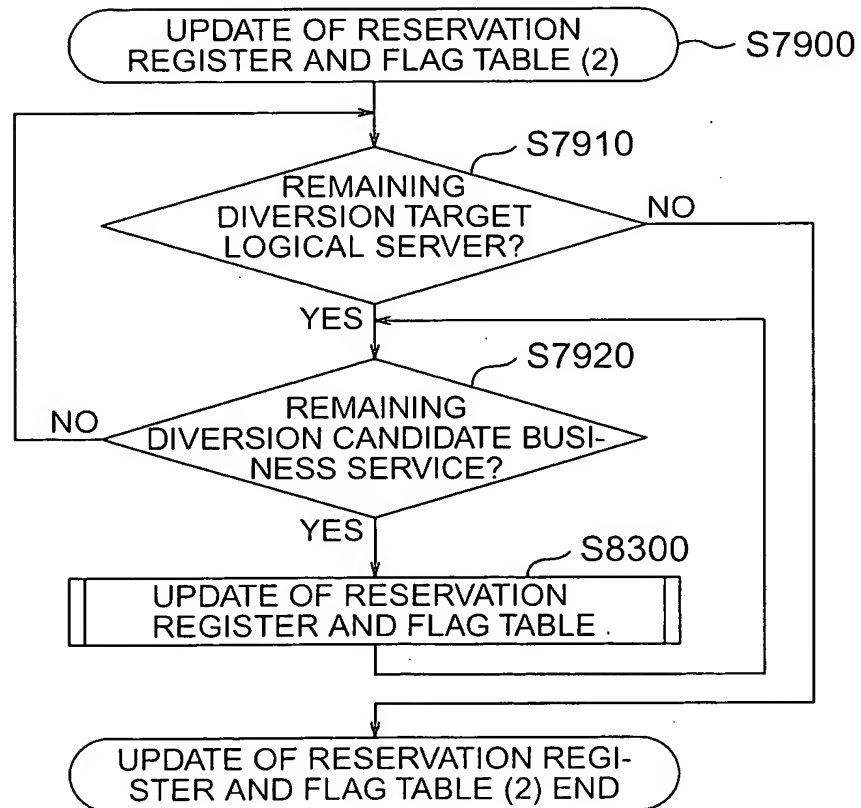


FIG. 31

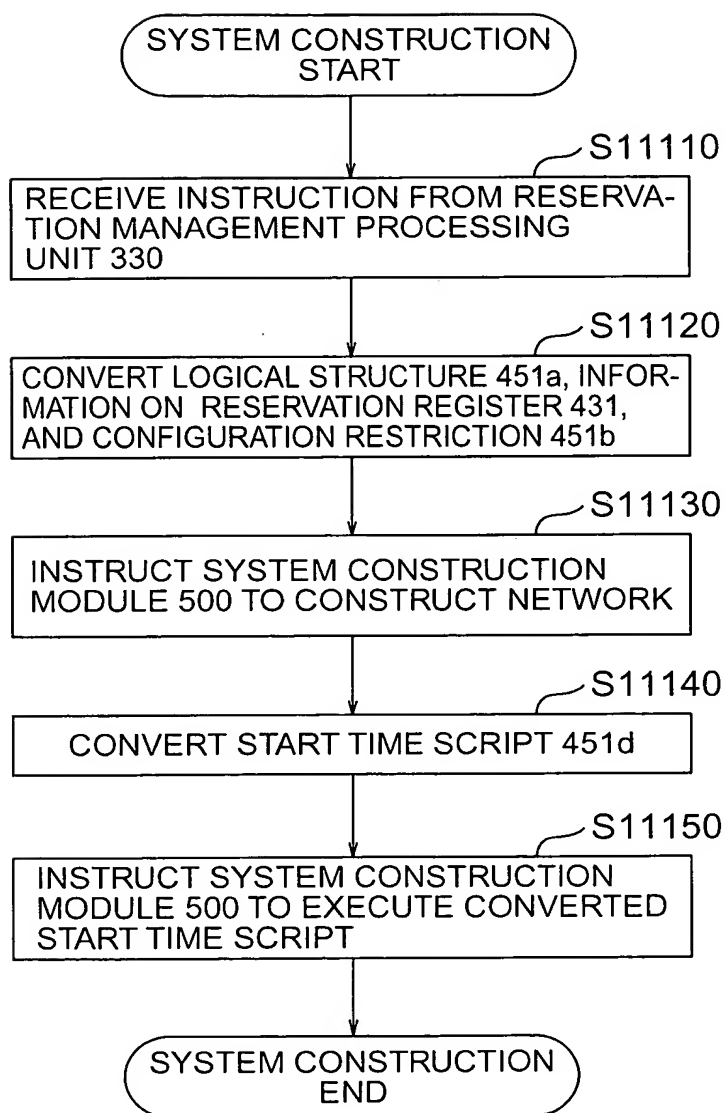


FIG. 32

